

For this particular project, I am using the large theater from the program requirements for a study of room acoustics. The theater creates some interesting problems when analyzing the acoustics. The floor is sloped quite steep for patrons to have a better view of the screen. The use of this theater is for cinema, so the space needs to be dead in order to allow the speaker to work and have little reverberation time.

A line drawing of a lecture hall or auditorium. The seating is arranged in multiple tiers, sloping upwards from the front to the back. Each tier consists of several rows of seats. The seats are simple, with a rectangular backrest and a square seat. The floor is covered with a pattern of small dots. At the back right of the seating area, there is a doorway or entrance. The overall style is a clean, minimalist line drawing.

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CEILG/WALL			FLOOR		
	X	Y		X	Y
1	0	21	1	0	0
2	34	21	2	34	10
3	34	0	3	-5	-5
4	34	21	4	0	0
5					
6					
7					
8					
9					
10					

ITDG, msec	LENGTH, ft	
	actual	useful
1	37	
2	10	22
3	58	
4	60	2
5		
6		
7		
8		
9		
10		

RAY DIAGRAMS

DISTANCE, FEET

DISTANCE, FEET

DOSSIER ONE